

Amendments to the Abstract:

The Abstract is to be deleted and replaced with the Abstract as follows:

ABSTRACT

A printhead IC is provided which includes a substrate with nozzle arrangements positioned thereon. Each nozzle arrangement includes a nozzle chamber structure defining a nozzle chamber and ink ejection port from which ink is to be ejected, an ink-ejecting mechanism having at least one moving component that is displaceable to generate a pressure pulse within the nozzle chamber to eject ink from the ink ejection port, an actuator having at least one working member of a material having a coefficient of thermal expansion such that the working member(s) is capable of substantially rectilinear expansion and contraction when heated and subsequently cooled, an energy transmitting means interconnecting the moving component(s) and the working member(s) so that energy generated by the working member(s) as a result of its expansion and subsequent contraction is transmitted to the moving component(s) resulting in displacement thereof and generation of the pressure pulse.